TSUKUR, I.D.

IVANKIN, Ya.I.; KOVALEVSKIY, P.P.; BIDULYA, V.I.; TSUKUR, I.D.

Improving the control of apparatus for industrial gammaray flaw detection. Zav.lab. 23 no.9:1127-1128 '57.   (MIRA 10:12)

1.Dnepropetrovskiy zavod metallurgicheskogo oborudovaniya.
(Materials--Testing)

TSUKUR, I.D. .

AUTHOR: Ivankin, Ya.I., Kovalevskiy, P.P., Bidulya, V.I.,   32-9-29/43
Tsukur, I.D.

TITLE: Perfectioning of the Control of Apparatus for Industrial Gamma
Defectoscopy (Usovershenstvovaniye upravleniya apparatov ilya
promyshlennoy gamma-defektoskopii)

PERIODICAL: Zavodskaya Laboratoriya, 1957, Vol.23, Nr 9, pp.1127-1128 (USSR)

ABSTRACT: The apparatus GUP-Co-5-1 and GUP-Co-50-1, which are being produced
by the "Mosrentgen" plant, have an important disadvantage in that
the switchboard for the radioactive source is mounted immediately
on the understructure of the device near the protective shield of
the preparation. Here a new construction, in which the switchboard
is fitted on a separate table, is described. By making use of a
cable of 21 m length, which connects the apparatus with the opera-
tor stand, and of an operating stand of 7 m length, the person
operating controls is able to work at a distance of 28 m from the
source from an open stand, so that full safety is warranted. There
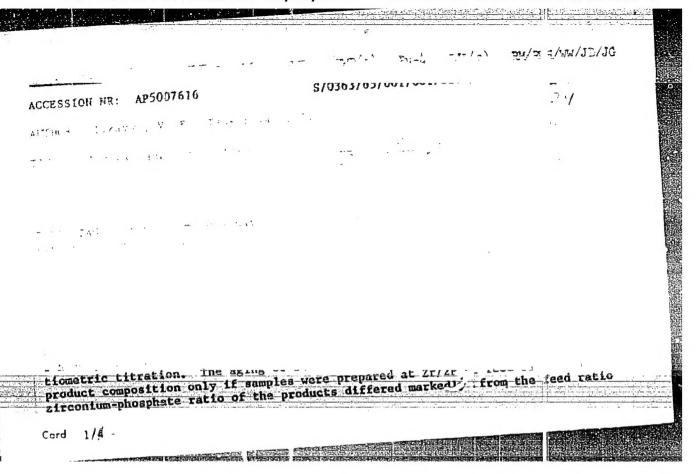is 1 figure.

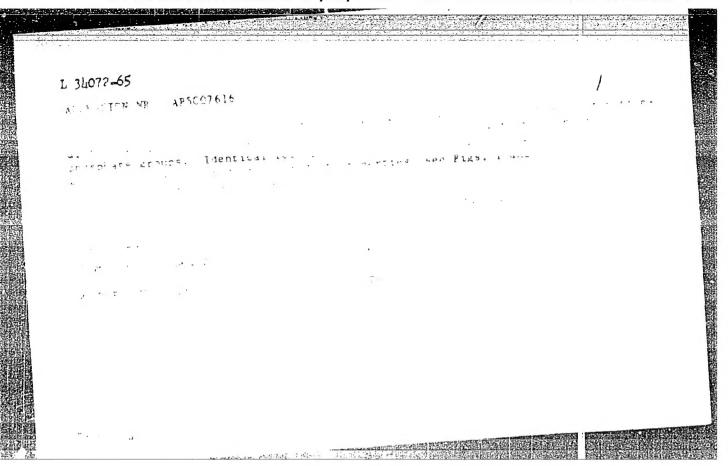ASSOCIATION: Dnepropetrovsk Plant for Metallurgical Equipment (Dnepropetrovskiy
zavod metallurgicheskogo oborudovaniya)

AVAILABLE: Library of Congress
Card 1/1

S/0363/65/0017/

ACCESSION NR: AP5007616

tiometric titration. The aging of
product composition only if samples were prepared at Zr/Zr
zirconium-phosphate ratio of the products differed markedly from the feed ratio

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L 34072-65

ACCESSION NR   AP5007616   /

principle groups.   Identical   see Figs.

KAUT, V.; TSUL, M.; SVORCOVA, S.; TESAR, V.

Evaluation of some measures against harmful exhalations. Cesk. hyg. 8 no.2:70-77 Mr '63.

1. Katedra hygieny lekarske fakulty KU, Hradec Kralove Vyzkumny ustav lesniho hospodarstvi a myslevosti, VS Opocno.
(AIR POLLUTION)

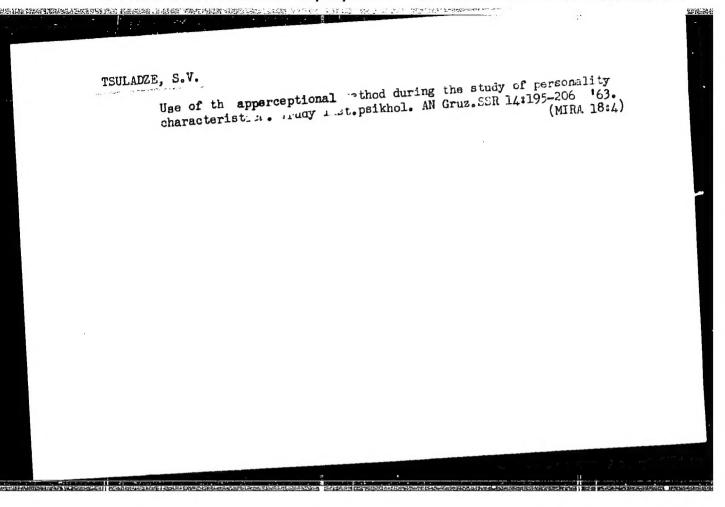TSULADZE, L.Ye., otv. red.; SADOVSKIY, A.A., prof., red.;
KARZINKIN, G.S., prof., red.; VINOGRADOV, K.A., prof.,
red.; MESHKOVA, T.M., doktor biol. nauk, red.;
TSKHOMELIDZE, O.I., kand. biol. nauk, red.

[Transactions of the First Scientific Conference Dedi-
cated to the Study and Use for Fisheries of the Inland
Bodies of Water of Georgia] Trudy Nauchnogo soveshchaniia
posviashchennogo izucheniiu i rybokhoziaistvennomu ispol'-
zovaniiu nutrennikh vodoemov Gruzii, Batumi, Nauchno-issl.
Rybokhoziaistvennaia stantsiia Gruzii, 1963. 161 p.
                                              (MIRA 17:7)

1. Nauchnoye soveshchaniye, posvyashchennoye izucheniyu i
rybokhozyaystvennomu ispol'zovaniyu vnutrennikh vodoyemov
Gruzii, 1st, Batum, 1961. 2. Direktor Nauchno-issledova-
tel'skoy Rybokhozyaystvennoy stantsii Gruzii (for TSuladze).

TSULADZE, S.V.

Use of th apperceptional thod during the study of personality
characterist. . ruuy st.psikhol. AN Gruz.SSR 14:195-206 '63.
(MIRA 18:4)

TSUKUR, Ye.P. [TSukur, IE.P.]

Improving the quality of the preparation of drugs and pharmacy
services for the population. Farmatsev. zhur. 18 no.5:72-74
'63.   (MIRA 17:8)

1. Dnepropetrovskaya kontrol'no-analiticheskaya laboratoriya.

GAGUA, M.B.; TSULADZE, M.G.

Numerical solution of a Dirichlet problem. Soob.AN Gruz.SSR no.5:513-518 My '60. (MIRA 13:8)

1. Vychislitel'nyy tsentr AN GruzSSR. Predstavleno chlenomkorres-pondentom Akademii Sh.Ye.Mikeladze.
(Differential equations, Partial)

16.6500   16.3500

34596
S/044/62/000/001/048/061
C111/C222

AUTHORS: Gagua, M. B., Tsuladze, M. G.

TITLE: On the numeric solution of the Dirichlet problem

PERIODICAL: Referativnyy zhurnal, Matematika, no. 1. 1962, 31-32, abstract IV150. ("Soobshch. AN Gruz SSR". 1960. 24. no. 5, 513-518)

TEXT: The Dirichlet problem for the equation

$$M_p U(P) - \lambda L_p U(P) = f(P), \quad P \in \Omega \qquad (1)$$

is solved, where Ω is a given finite domain in n-dimensional Euclidian space, Γ is the boundary of Ω and λ a parameter, complex in general.

$$i_1 + i_2 + \ldots + i_n = m$$

$$M_p U(P) = \sum_{0 \le i_1, \ldots, i_n \le m} a_{i_1, i_2, \ldots, i_n}(P) \frac{\partial^m U(x_1, \ldots x_n)}{\partial x_1^{i_1} \ldots \partial x_n^{i_n}} , \quad P \in \Omega$$

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C111/C222

On the numeric solution of the ...

$i_1 + i_2 + \ldots + i_n = j \leq m - 1$

$$L_p u(P) = \sum_{0 \leq i_1, \ldots, i_n \leq m-1} b_{i_1 \ldots i_n}(P) \frac{\partial^{i_1 \ldots} u(x_1, \ldots, x_n)}{\partial x_1^{i_1} \ldots \partial x_n^{i_n}} \; ; \quad P \in \Omega$$

with the homogeneous boundary condition   (2)

$$u|_\Gamma = 0 .$$

Assuming that there exists a Green's function $G(P,Q)$ for the equation $M_p u(P) = f(P)$ in Ω, which corresponds to (2) and fulfills the conditions

$$k = \sup_{P \in \Omega} \left| \int_\Omega L_Q \, G(P,Q) \, dQ \right| < +\infty ,$$

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C111/C222

On the numeric solution of the · · ·

$$L_p \int_\Omega G(P,Q)\, dQ = \int_\Omega L_p\, G(P,Q)\, dQ$$

then the problem (1), (2) is equivalent to the integro-differential equation

$$U(P) = \int_\Omega G(P,Q) \left[f(Q) + \lambda\, L_Q U (Q) \right] dQ, \quad P \in \Omega$$

The solution of this for λ satisfying

$$\left| \lambda \right|\, k = \left| \lambda \right| \sup_{P \in \Omega} \left| \int_\Omega L_Q\, G(P,Q)\, dQ \right| = q < 1$$

is given by the Piccard series

$$U(P) = \int_\Omega G(P,Q)\, f(Q)\, dQ + \lambda \int_\Omega G(P,Q)\, dQ\, \times$$

$$\times \int_\Omega L_{Q_1}\, G(Q, Q_1)\, f(Q_1)\, dQ_1 + \cdots + \lambda^n \int_\Omega G(P,Q)\, dQ \times$$

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C111/C222

On the numeric solution of the

$$\times \int_{\Omega} L_{Q_1} G(Q, Q_1)\, dQ_1 \cdots dQ_{n+1} \times$$

$$\times \int_{\Omega} L_{Q_{n-1}} G(Q_{n-1}, Q_L)\, f(Q_L)\, dQ_n + \cdots$$

(Goursat, Cours d'analyse. Bd. 3). The authors start with the construction of this series and write the following recurrence equations in P, Q.

$$U_1(P) = \int_{\Omega} G(P, Q)\, f(Q)\, dQ$$

$$U_n(P) = \int_{\Omega} G(P, Q)\, L_Q U_{n-1}(Q)\, dQ \quad (n=1, 2, \ldots) \qquad (3)$$

$$S_n(P) = \int_{\Omega} G(P, Q)\, f(Q)\, dQ$$

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On the numeric solution of the . . .   S/044/62/000/001/048/061
C111/C222

$$S_n(P) = \int_\Omega G(P,Q) \left[f(Q) + \lambda L_Q S_{n-1}(Q) \right] dQ \quad (n=1,2,\ldots) .$$

To solve the problem (1), (2) numerically, an arbitrary sequence of nodes P_i ($i=1,2,\ldots, N$; $N = 1,2,\ldots$) in Ω is taken. The operator M_p is applied to both sides of (3), and in the resulting equations, the differential operators M_p and L_p in the given points are replaced by their difference-analogues $\bar{M}_{pi}$ and $\bar{L}_{pi}$. It is proven that for each fixed n and N the resulting system of linear algebraic equations

$$\overline{M}_{pi} U^*_{oN}(P_i) = f(P_i), \quad (i = 1, 2, \ldots, N),$$
$$\overline{M}_{pi} U^*_{nN}(P_i) = \lambda \overline{L}_{pi} U^*_{n-1,N}(P_i) \quad (n=1,2,\ldots; i=1,2,\ldots,N),$$
$$\overline{M}_{pi} S^*_{oN}(P_i) = f(P_i), \quad (i = 1, 2, \ldots, N),$$
$$\overline{M}_{pi} S^*_{nN}(P_i) = f(P_i) + \lambda \overline{L}_{pi} S^*_{n-1,N}(P_i)$$
$$(n = 1, 2, \ldots; i = 1, 2, \ldots, N), $$

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On the numeric solution of the . . . $S/044/62/000/001/048/061$
$C111/C222$

with N unknowns $U^+_{nN}(P_i)$ and $S^+_{nN}(P_i)$ (n = 1,2,...; i = 1,2,...,N; N=1,2,

...) is stable under certain assumptions regarding the free terms $f(P_i)$(i=1,2,..., N). The convergence to the solution of problem (1),

(2) is proven.

[Abstracter's note: Complete translation.]

Card 6/6

Ca

12

Distribution of phosphorus compounds in cow milk.
P. A. Kometiani and T. E. Tsuladze. *Biokhimiya* [V.
002-8(1936).—Milk does not contain labile P compds.
other than the complex $Ca_3(PO_4)_2$-casein. A difficultly
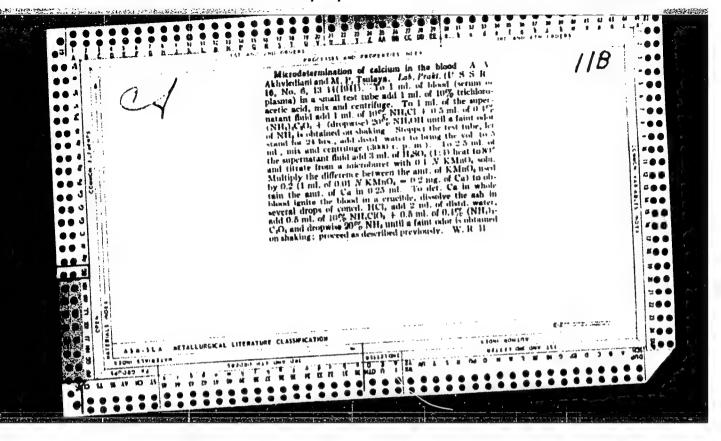hydrolyzable fraction is recognized, but not identified.
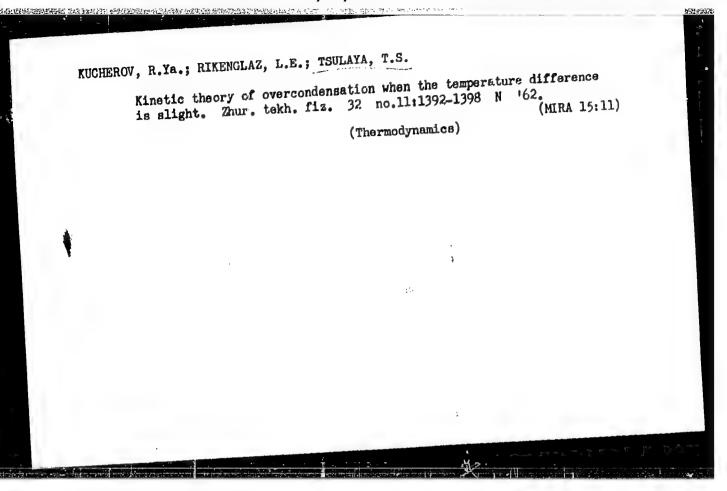B. C. A.

TSULAYA, M.F.; GAGULASHVILI, A.D.; MAISAYA, V.R.

Some biochemical changes in the cerebrospinal fluid under the
influence of craniocerebral trauma. Soob. AN Gruz. SSR 30 no.5:
579-582 My '63.   (MIRA 16:11)

1. Nauchno-issledovatel'skiy institut travmatologii i ortopedii.
Predstavleno chlenom-korrespondentom AN GruzSSR A.N.Bakuradze.

*

11B

PROPERTIES AND PROCESSES MED

Microdetermination of calcium in the blood   A. V. Akhvlediani and M. P. Tsulaya. Lab. Pratt. (U. S. S. R.) 16, No. 6, 13 14(1941).—To 1 ml. of blood (serum or plasma) in a small test tube add 1 ml. of 10% trichloro-acetic acid, mix and centrifuge. To 1 ml. of the super-natant fluid add 1 ml. of 10% NH_4Cl + 0.5 ml. of 0.1% $(NH_4)_2C_2O_4$ + (dropwise) 20% NH_4OH until a faint odor of NH_3 is obtained on shaking. Stopper the test tube, let stand for 24 hrs., add distd. water to bring the vol. to 5 ml., mix and centrifuge (3000 r. p. m.). To 2.5 ml. of the supernatant fluid add 3 ml. of H_2SO_4 (1:3) heat to 80° and titrate from a microburet with 0.1 N $KMnO_4$ soln. Multiply the difference between the amt. of $KMnO_4$ used by 0.2 (1 ml. of 0.01 N $KMnO_4$ = 0.2 mg. of Ca) to ob-tain the amt. of Ca in 0.25 ml. To det. Ca in whole blood ignite the blood in a crucible, dissolve the ash in several drops of concd. HCl, add 2 ml. of distd. water, add 0.8 ml. of 10% NH_4ClO_4 + 0.5 ml. of 0.1% $(NH_4)_2$-C_2O_4 and dropwise 20% NH_3 until a faint odor is obtained on shaking; proceed as described previously.   W. R. H.

METALLURGICAL LITERATURE CLASSIFICATION

KUCHEROV, R.Ya.; RIKENGLAZ, L.E.; TSULAYA, T.S.

Kinetic theory of overcondensation when the temperature difference is slight. Zhur. tekh. fiz. 32 no.11:1392-1398 N '62.
(MIRA 15:11)

(Thermodynamics)

42218
S/057/62/032/011/011/014
B104/B102

96.1420

AUTHORS: Kucherov, R. Ya., Rikenglaz, L. E., and Tsulaya, T. S.

TITLE: The kinetic theory of overcondensation at small temperature differences

PERIODICAL: Zhurnal tekhnicheskoy fiziki, v. 32, no. 11, 1962, 1392-1398

TEXT: The transport of a substance between two parallel plates at different temperatures is investigated on the basis of the Boltzmann equation $v_x \partial f/\partial x = (\partial f/\partial t)_{st}$ (2). The state of the vapor from the substance of which the two plates are composed is described by the distribution function $f(x, \vec{v})$. The collision integral is given in the form:

$$\left(\frac{\partial f}{\partial t}\right)_{ct} = \frac{f_{eq} - f}{t},\qquad(2)$$

$$f_{eq} = n\left(\frac{m}{2\pi T}\right)^{3/2} \exp\left[-\frac{m(v-u)^2}{2T}\right],\qquad(3)$$

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S/057/62/032/011/011/014
B104/B102

The kinetic theory of overcondensation ...

$$n = \int f dv; \quad nu = \int f v dv; \quad \frac{3nT}{m} = \int (v - u)^2 f dv, \qquad (4).$$

Here t is the relaxation time, $\vec{v}$ the velocity of the gas molecules, M their mass, n the vapor density, and T the vapor temperature in erg. It is assumed that all molecules of vapor reaching a surface adhere to it and that the molecules leaving surface have a Maxwellian distribution. This implies that the distribution function

$$\left. \begin{array}{ll} f(x, v) = f^+(x, v) + f^-(x, v), \\ f^+(x, v) = 0; & v_s < 0, \\ f^-(x, v) = 0; & v_s > 0, \end{array} \right\} \qquad (5)$$

has the boundary conditions

Card 2/6

The kinetic theory of overcondensation ...

$$f^+\left(-\frac{d}{2}, \mathbf{v}\right) = \frac{p_1}{T_1}\left(\frac{m}{2\pi T_1}\right)^{\!\prime\prime\!}\exp\left(-\frac{mv^2}{2T_1}\right),$$

$$f^-\left(\frac{d}{2}, \mathbf{v}\right) = \frac{p_2}{T_2}\left(\frac{m}{2\pi T_2}\right)^{\!\prime\prime\!}\exp\left(-\frac{mv^2}{2T_2}\right),\qquad (6).$$

P_1 and P_2 are the vapor pressures at the temperatures T_1 and T_2. For the case of small temperature differences $((T_1 - T_2)/T_1 \ll 1)$ the solution of (2) can be obtained in the form

$$f = n_0\left(\frac{m}{2\pi T_0}\right)^{\!\prime\prime\!}\exp\left(-\frac{mv^2}{2T_0}\right)(1+\varphi),$$

$$n = n_0(1+\nu),$$

$$T = T_0(1+\theta),\qquad (7),$$

Card 3/6

The kinetic theory of overcondensation ...

where n_0 in the mean density and T_0 the mean temperature. On introducing the dimensionless coordinate $z = x/(d/2)$, where d is the distance between the plate surfaces, the system (2)-(4) becomes linearized and gives:

$$\mu c_z \frac{d\varphi}{dz} = -\varphi + \nu + 2c_z q + \left(c^2 - \frac{3}{2}\right)\theta \qquad (9)$$

$$
\left.
\begin{aligned}
&c = \sqrt{\frac{m}{2T_0}}\, v; \quad \nu = \pi^{-\frac{3}{2}} \int e^{-c^2} \varphi dc; \\
&q = \pi^{-\frac{3}{2}} \int c_z e^{-c^2} \varphi dc; \quad \theta = \frac{2}{3} \pi^{-\frac{3}{2}} \int \left(c^2 - \frac{3}{2}\right) e^{-c^2} \varphi dc; \\
&\mu = \frac{t}{d} \sqrt{\frac{2T_0}{m}}.
\end{aligned}
\right\} \qquad (10).
$$

The linearized boundary conditions are:

$$
\left.
\begin{aligned}
&\varphi^+(-1, c) = \nu_1 + \left(c^2 - \frac{3}{2}\right)\theta_1, \\
&\varphi^-(1, c) = \nu_2 + \left(c^2 - \frac{3}{2}\right)\theta_2,
\end{aligned}
\right\} \qquad (11)
$$

Card 4/6

The kinetic theory of overcondensation ...

$$\nu_1 = \frac{p_1}{n_0 T_1} - 1; \quad \nu_2 = \frac{p_2}{n_0 T_2} - 1; \quad \theta_1 = \frac{T_1}{T_0} - 1; \quad \theta_2 = \frac{T_2}{T_0} - 1. \quad (12).$$

From (9) the formal solution is reached:

$$\varphi^+(z, c) = \frac{1}{\mu c_z} \int_{-1}^{z} e^{\frac{z'-z}{\mu c_z}} \left[\nu + 2c_z q + \left(c^2 - \frac{3}{2}\right)\theta\right] \times \quad (13).$$

$$\times dz' + e^{-\frac{1+z}{\mu c_z}} \varphi^+(-1, c),$$

When this is introduced in (10) the following system of integral equations ✗
is obtained for determining ∇, q and θ:

$$
\begin{cases}
(\hat{K}_{11} - 1)\nu + \hat{K}_{12}q + \hat{K}_{13}\theta = -P_1, \\
\hat{K}_{21}\nu + (\hat{K}_{22} - 1)q + \hat{K}_{23}\theta = -P_2, \\
\hat{K}_{31}\nu + \hat{K}_{32}q + (\hat{K}_{33} - 1)\theta = -P_3,
\end{cases}
\quad (14).
$$

The integral operators $\hat{K}_{ij}$ are discussed. For the case of large Knudsen
numbers the solutions arrived at:

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The kinetic theory of overcondensation ...   S/057/62/032/011/011/014
B104/B102

$$\overline{v}(z) = v_* + \frac{1}{2\sqrt{\pi}} \left[(v_1 - v_2) - \frac{1}{2}(\theta_1 - \theta_2) \right] \times$$

$$\times \left[\frac{1+z}{\mu} \ln \frac{1+z}{\mu} - \frac{1-z}{\mu} \ln \frac{1-z}{\mu} \right],$$

$$q = q_* \left(1 + \frac{2}{\sqrt{\pi}\,\mu} \right) - \frac{v_1 - v_2}{2\mu},$$

$$\theta(z) = \theta_* - \frac{1}{6\sqrt{\pi}} \left[(v_1 - v_2) - \frac{5}{2}(\theta_1 - \theta_2) \right] \times \qquad\qquad (24);$$

$$\times \left[\frac{1+z}{\mu} \ln \frac{1+z}{\mu} - \frac{1-z}{\mu} \ln \frac{1-z}{\mu} \right],$$

$$\tau = \frac{1}{2}(\tau_* + \theta_*),$$

$$\omega = \omega_* - \frac{3}{2} q_* \left(1 - \frac{8}{3\sqrt{\pi}\,\mu} \right) - \frac{3}{4\mu} \left[(v_1 - v_2) + (\theta_1 - \theta_2) \right].$$

for small Knudsen numbers the solutions are:

$$q = 0.252 (v_1 - v_2 + \theta_1 - \theta_2),$$
$$\omega = 0.63 (v_1 - v_2 + \theta_1 - \theta_2), \quad \tau = 0.23 (v_1 + \theta_1) + 0.27 (v_2 + \theta_2). \qquad (31).$$

SUBMITTED: January 31, 1962 (initially)
               April 10, 1962 (after revision)

Card 6/6

KUCHEROV, R. Ya.; TSULAYA, T.S.

Absorption of sound associated with reflection from the plane surface
of a solid. Akust. zhur. 7 no.1:96-97 '61.   (MIRA 14:4)

1. Glavnoye upravleniye po ispol'zovaniya atomnoy energii pri
Sovete Ministrov SSSR.
                    (Absorption of sound)

1. TSULAYA, V.I.

2. USSR   (600)

4. Plane Tree

7. Vegetative reproduction of the European plane tree. Les i step' 4 no.10, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

1.   ?SULAKI., V. I.

2.   USSR (600)

4.   Lemon

7.   Characteristics of lemon fruit under trench cultivation.
     Agrobiologia no. 5, 1952

9.   <u>Monthly</u> <u>List</u> <u>of</u> <u>Russian</u> <u>Accessions</u>, Library of Congress, <u>January</u> 1953. Unclassified.

TSULAYA, V. I.

Name: TSULAYA, V. I.

Dissertation: Growing lemon trees in trenches in southern Tajikistan

Degree: Cand Agr Sci

Defended at:
Affiliation: Acad Sci Tajik SSR, Division of Natural Sciences

Publication
Defense Date, Place: 1956, Stalinabad

Source: Knizhnaya Letopis', No 4, 1957

TSULAYA, V. I.   K-4

USSR / Forestry. Forest Crops

Abs Jour: Ref Zhur-Biol., No 13, 1958, 58413

Author : Tsulaya, V. I., Kudrina, E. K.

Inst   : Not given

Title   : Cultivation of the Oriental Plane tree by Seeds

Orig Pub: Lesn. kh-ve, 1957, No 8, 82-84

Abstract: This is a description of a two-year long experi-
          ment at the Vakhsh zonal experimental station of
          growing the oriental plane tree in deep beds,
          sheltered by glass covered frames. It is grown on
          a light clayey soil of a loess type. Manure com-
          post and fine grained sand were introduced into
          the beds. The seeds were moistened in water for
          two days. The percentage of laboratory germina-
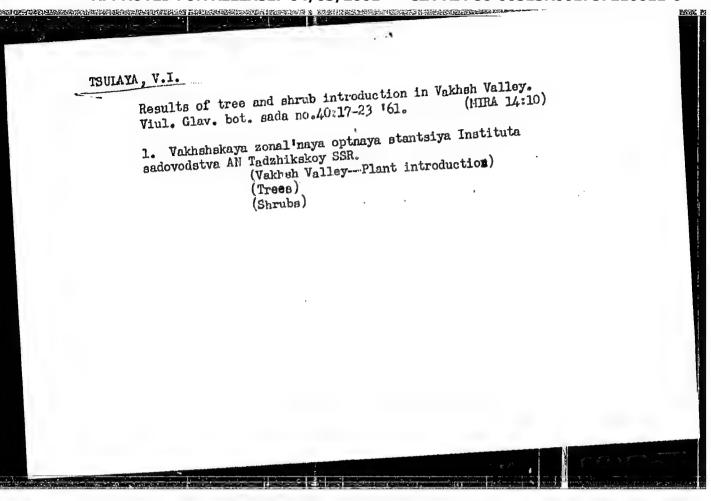
Card 1/2   44

TSULAYA.V.I.

TSULAYA, V.I.; SHEFTEL', I.M.

Trench culture of citrus fruits in Central Asia. Agrobiologiia no.1:
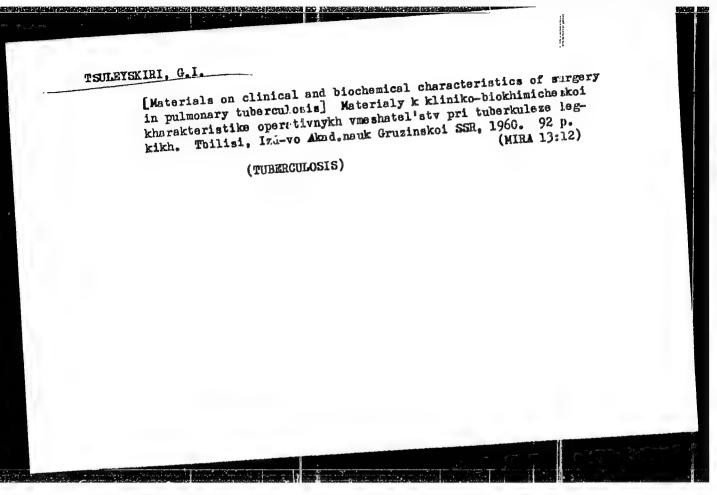(MIRA 11:2)
102-108 Ja-F '58.

1. Tadzhikskiy nauchno-issledovatel'skiy institut sadovodstva, vino-
gradarstva i subtropicheskikh kul'tur imeni I.V. Michurina, Stalinabad.
(Tajikistan—Citrus fruits)

TSUIAYA, V.I.

Results of tree and shrub introduction in Vakhsh Valley. (MIRA 14:10)
Viul. Glav. bot. sada no.40:17-23 '61.

1. Vakhshskaya zonal'naya optnaya stantsiya Instituta
sadovodstva AN Tadzhikskoy SSR.
        (Vakhsh Valley--Plant introduction)
        (Trees)
        (Shrubs)

TSULEYSKIRI, G. I.

Cand Med Sci - (diss) "Materials for the clinico-biochemical characteristics of operative interventions in pulmonary tuberculosis." Tbilisi, 1961. 26 pp; (Tbilisi State Med Inst); 200 copies; free; (KL, 6-61 sup, 242)

TSULEYSKIRI, G.I.

[Materials on clinical and biochemical characteristics of surgery in pulmonary tuberculosis] Materialy k kliniko-biokhimicheskoi kharakteristike operativnykh vmeshatel'stv pri tuberkuleze legkikh. Tbilisi, Izd-vo Akad.nauk Gruzinskoi SSR, 1960.   92 p.

(MIRA 13:12)

(TUBERCULOSIS)

TSULEYSKIRI, G. V., PICHKHAYA, T. P., ASATIANI, V. S., ANASAHVILI, A. Ts., AGEYEVA, A.K., KEKELIDZE, O. V., KITIYA, T. D., KORDZAKHIYA, T. P., KUNCHULIYA, V. G., PRUIDZE, T. V., (USSR).

The Effect of the Mountainous Climate on Biochemical Aspects of Human Blood.

report presented at the 5th Int'l.
Biochemistry Congress, Moscow, 10-16 Aug. 1961.

COUNTRY   : USSR
CATEGORY   : Cultivated Plants. Fruits. Berries. Nuts. Tea.
                                                       M

ABS. JOUR.   : RZhBiol., No. 1, 1957, No.1815

AUTHOR   : Lyul, V.I.; Kudrina, Ye.I.
INST.   : Magbic Sci. Res. Inst. of Horticulture
TITLE   : The Effect of Heteroauxin on the Implanting of Rose
                Stalks.

ORIG. PUB.   : Lyul, nauchno-tekhn. ..., ...

ABSTRACT   : For the experiment, semi-ripe stalks of the spring growth
                of a length of ... experimental
                stalks were maintained in a heteroauxin solution which
                concentration was 50,100,150, and 200 mg ... the con-
                trol stalks were maintained in pure water with 12,16,20,
                and 24 hours of exposure time. Prior to the implanting,
                the stalks were sprinkled frequently with water, and after
                implantation they were sprayed once every 24 hours. The
                average daily temperature of the substrate was 23-27°.

CARD: 1/2   *1957, vyp. 1, 24-26
                        * Viticulture and Subtropical Cultures

COUNTRY   :

CATEGORY   :

ABS. SOUR.   : RZhBiol., No. 1, 1959, No. 1815

ABSTRACT   : The strike treated with heteroauxin began to form roots
after 16 days, but the control ones had only a callus.
After 20 days, the strike treated with heteroauxin solu-
tions of 100, 150, and 200 mg/l concentration, had devel-
oped roots and roots of 2-7 cm long, while the con-
trol ones had roots of 1-2 cm long. In 30 days the trea-
ted and control strike took root in 100 and 50%, respec-
tively. A concentration of 50 mg/l did not have an effect
on the implantation. The maximum implantation of the
treated and control strike was 100 and 80% respectively.
-- I.L. Pombunadav

CARD: 2/2

160

M

COUNTRY   : USSR
CATEGORY   : Cultivated Plants. Fruits. Berries. Nuts. Tea.

ABS. JOUR.   : RZhBiol., No. 4, 1959, No. 15804

AUTHOR   : Tulaya, V.I.; ~her'el', I.M.
INST.
TITLE   : Trench Cultivation of   Citrus Fruits in Cen-
                 tral Asia.

ORIG. PUB.   : ...biologiya, 1958, No.1, 102-108

ABSTRACT   : In the arid subtropics of Central Asia lemon (91.5%)
                 is the chief crop raised in trench cultivation. In
                 the Vakhshskaya valley are concentrated 34.6 % of
                 all the citrus plantations of Central Asia and here
                 82.4 % of the crop is harvested. In 1957 the Tadjik
                 citrus growers harvested < 600,000 fruits. The
                 best sort of lemon, Kitayskiy, yields annual crops.

Card: 1/1   149

VAYSMAN, Moyshe Zakhar'yevich; TSULIMOV, A., red.

[Accounting, analysis and audit using the journal-voucher accounting system] Uchet, analiz i reviziia pri zhurnal'no-ordernoi forme schetovodstva. Kishinev, Kartia moldoveniaske, 1964. 372 p.   (MIRA 17:12)

MAKEYENKO, M.M.; PROSKURIN, I.G.; LEYDERMAN, G.I.; SOLNTSEVA, Z.V.;
NOVAK, V.A.; KARTELISHEV, V.T.; TSULIMOV, A., red.;
POLEVAYA, Ye., tekhn.red.

[Moldavian Economic Administrative Region] Moldavskii ekonomicheskii
administrativnyi raion. Kishinev, Gos.izd-vo "Kartia Moldoveniaske,"
1961. 168 p.   (MIRA 14:6)
            (Moldavia--Economic conditions)

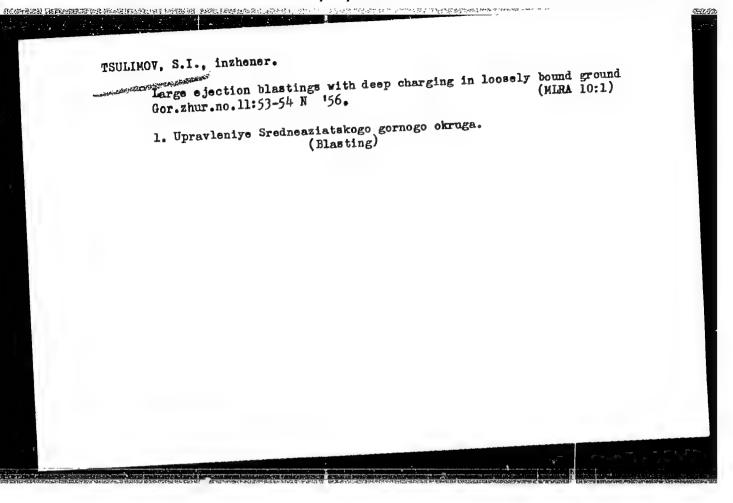PROSTOMOLOTOV, F.; TSULIMOV, A., red.; TEL'PIS, V., tekhn. red.

[Reorganization of industrial management and prospects for industrial development in the Moldavian S.S.R. during the seven-year plan]Perestroika upravleniia promyshlennost'iu Moldavskoi SSR i perspektivy ee razvitiia v semiletke. Kishinev, Gos. izd-vo "Kartia moldoveniaske," 1960. 59 p.
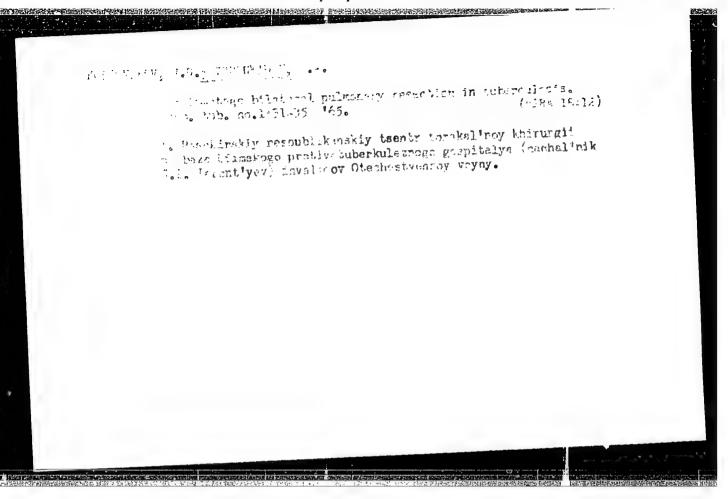(MIRA 15:11)

(Moldavia--Industrial organization)

TSULIMOV, S.I., inzhener.

Large ejection blastings with deep charging in loosely bound ground
Gor.zhur.no.11:53-54 N '56.   (MLRA 10:1)

1. Upravleniye Sredneaziatskogo gornogo okruga.
                              (Blasting)

ANDREYEV, L.A.

- Two-stage bilateral pulmonary resection in tuberculosis.
(JPRS 1902-1)
Probl. tub. no.1:51-55 '65.

1. Bashkirskiy respublikanskiy tsentr torakal'noy khirurgii
na baze Ufimskogo protivotuberkuleznogo gospitalya (nachal'nik
L.A. Leont'yev) Invalidov Otechestvennoy voyny.

TSULUKIDZE, AP.

Doklad na mezhinstitutskoy konferse tsii po bakteriofa m.
/Report on the Inter-Institute Conference on Bacyeriophage7 Moscow, 1910.

TSULEIDZE, A.P.

On the methodology of administration of phage in surgical practice. Vestn. khir,. /Journal of Surgery/ Vol 61, No 6, 1941.

TSULUKIDZE, A. P.

Tsulukidze, A. P. "The characteristics of restorative operations of gunshot injuries of the urogenital organs," (Report), Trudy III Zakavkazsk. s"yezda khirurgov. Yerevan, 1948 (on cover: 1949), p. 396-407

SO: U-5240, 17 Dec. 53, (Letopis 'Zhurnal 'nykh Statey, No. 25, 1949).

TJULUKIDZE, A. P.

31947. TJULUKIDZE, A. P. Odnomomentiaoye Polnoye Udaleniye Mochevogo Puzyrya i
Vnebryushinnaya Peresadka Mochetoghnikov V Pryamuyu Kishku (Pri Zlokachestvennykh
Opukholyakh). Vestnik Khirurgii im. Grekova, 1949. No. 4, c. 21-24.

SO: Letopis' Zhurnal'nykh Statey, Vol. 42, 'Moskva, 1949.

Tsulukidze, A. P.

29459

K tyekhnikye idyeal'noy prostatektomii. Khirurgiya, 1949, No. 6, s. 61-66.

SO: LETOPIS' NO. 40

TSULUKIDZE, A.P., professor.

Surgical therapy of patients with hypertrophy of the prostate gland. Khirur-
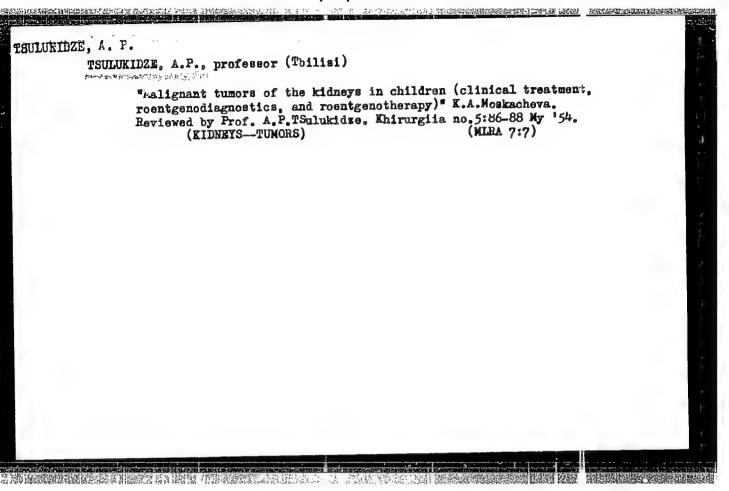giia no.9:3-7 S '53.
(MLRA 6:11)

1. Iz kafedry urologii (zaveduyushchiy - professor A.P.Tsulukidze) Tbilissko-
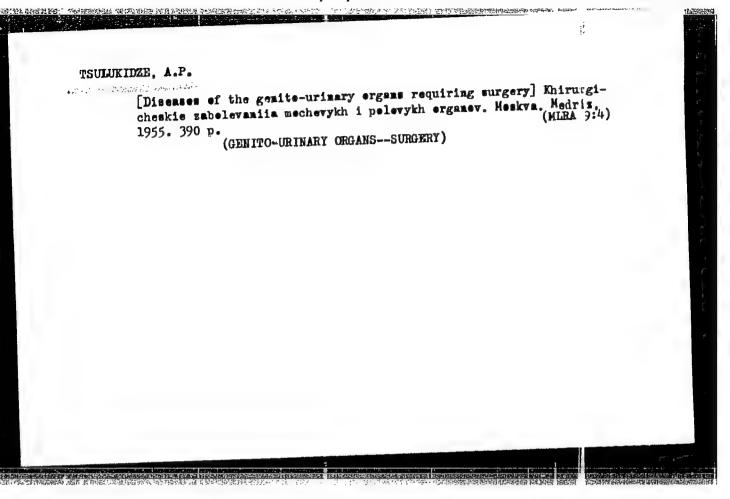go instituta usovershenstvovaniya vrachey.
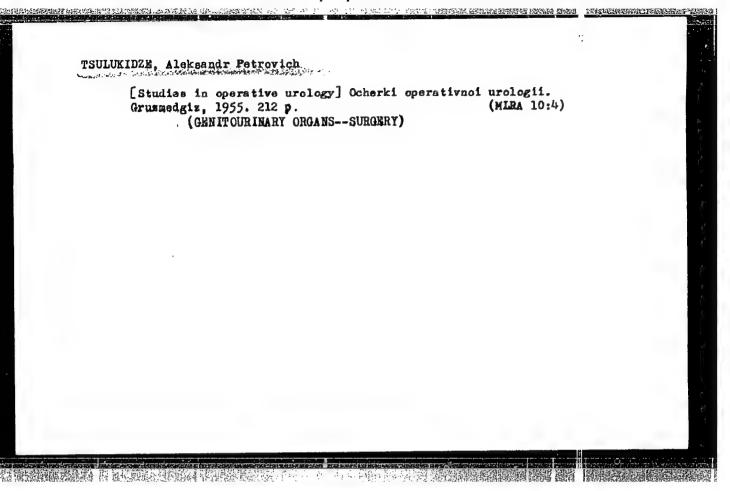(Prostate gland--Surgery)

TSULUKIDZE, A.P.

Surgical treatment of hypertrophy of the prostate. Khirurgiia, Moskva
no.9:3-7 Sept 1953.   (CIML 25:5)

1. Professor. 2. Of the Department of Urology (Head -- Prof. A. P.
Tsulukidze), Tbilisi Institute for the Advanced Training of Physicians.

TSULUKIDZE, A. P.

TSULUKIDZE, A.P., professor (Tbilisi)

"Malignant tumors of the kidneys in children (clinical treatment, roentgenodiagnostics, and roentgenotherapy)" K.A.Moskacheva. Reviewed by Prof. A.P.TSulukidze. Khirurgiia no.5:86-88 My '54.
(KIDNEYS--TUMORS)   (MLRA 7:7)

TSULUKIDZE, A.P.

[Diseases of the genito-urinary organs requiring surgery] Khirurgicheskie zabolevaniia mochevykh i polevykh organov. Moskva. Medgiz, 1955. 390 p. (MLRA 9:4)
(GENITO-URINARY ORGANS--SURGERY)

TSULUKIDZE, Aleksandr Petrovich

[Studies in operative urology] Ocherki operativnoi urologii.
Gruzmedgiz, 1955. 212 p.   (MLRA 10:4)
. (GENITOURINARY ORGANS--SURGERY)

TSULUKIDZE, A.P.; professor; MURVANIDZE, D.D.

Indications for cystectomy. Urologiia no.3:3-10 Jl-S '55.

(MLRA 8:10)

1. Iz urologicheskoy kliniki (zav. chlen-korrespondent AMN
SSSR, zasluzhennyy deyatel' nauki prof. A.P.Tsulukidze
Tbilisskogo instituta usovershenstvovaniya vrachey.
        (BLADDER, surgery
             cystectomy, indic.)

TSULIKIDZE, A.P., professor (Tbilisi)

"Experiences of Soviet Medicine during the Great Patriotic War of
1941-1945," vol.13, Pt.1: "Surgery," section 9. Reviewed by A.P.
TSulukidze. Urologiia 21 no.3:80-83 Jl-S '56.   (MLRA 9:12)
      (ABDOMEN—WOUNDS AND INJURIES)

TSULUKIDZE, A.P., professor (Tbilisi)

"Prostate gland; pathology, clinical aspects and treatment of
diseases of the prostate gland" by Mikhail Enfedzhiev. Reviewed
by A.P.TSulukidze. Urologiia 21 no.4:76-77 O-D '56. (MLRA 10:2)
    (PROSTATE GLAND—DISEASES)
    (ENFEDZHIEV, MIKHAIL)

TSULUKIDZE, Aleksandr Petrovich, MURVANIDZE, D.D.

[Exclusion and removal of the urinary bladder] Vykliuchenie i
udalenie mochevogo puzyria. Tbilisi, Gruzmedgiz, 1957. 130 p.
(MIRA 11:10)

(BLADDER—SURGERY)

E

Country : USSR
Category: Virology. Bacterial Viruses (Phages)

Abs Jour: Ref Zhur-Biol., No 23, 1958, No 103514

Author : Tsulukidze, A.P.
Inst   : —
Title   : Material on the Use of Bacteriophage in Surgical
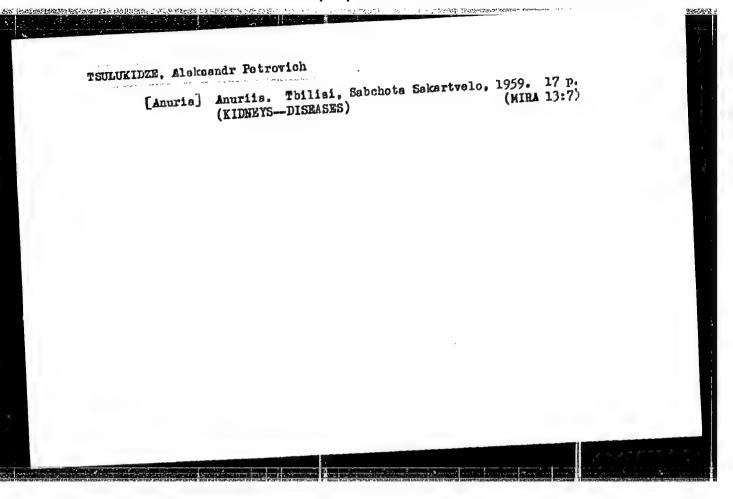   Infections

Orig Pub: Sb. Bakteriofagiya. Tbilisi, Gruzmedgiz, 1957,
          363-372

Abstract: Data in the literature and the results of personal
          observations are presented on the successful use of
          phage in pyogenic and anaerobic infections. The
          author believes that the use of phage in surgical
          infections is of tremendous practical importance and

Card   : 1/2

Country : USSR

E

Category: Virology. Bacterial Viruses (Phages)

Abs Jour: Ref Zhur-Biol., No 23, 1958, No 103514

great attention should be given to this matter. --
Ya. I. Rautenshteyn.

Card : 2/2

TSULUKIDZE, Aleksandr Petrovich

[Anuria]   Anuriia. Tbilisi, Sabchota Sakartvelo, 1959.   17 p.
(KIDNEYS—DISEASES)   (MIRA 13:7)

SAAKASHVILI, Mikhail Georgiyevich; GELASHVILI, Avtandil Petrovich;
    SAKVARELIDZE, D.S., otv.red.; AKHVLEDIANI, G.S., red.; TSULU-
    KIDZE, A.P., red.; MELIKISHVILI, G.A., red.; ERISTAVI, K.D., red.;
    MENTESHASHVILI, I.T., red.; TATISHVILI, I.Ya., red.; BERIDZE,
    V.V., red.; APAKIDZE, A.M., red.; YAKIMOVA, A., tekhn.red.

[Illustrations to the history of medicine in Georgia; from ancient
times to the 19th century] Illiustratsii k istorii meditsiny
Gruzii; s drevneishikh vremen do XIX veka. Tbilisi, Gos.izd-vo
"Sabchota Sakartvelo," 1959. 127 p.   (MIRA 13:9)
                (GEORGIA--MEDICINE)

ABRAMYAN, A.Ya., prof.; ATABEKOV, D.N., prof.; VOROBTSOV, V.I., kand.
med. nauk; GASPARYAN, A.M., prof.; GREBENSHCHIKOV, G.S., prof.;
DZHAVAD-ZADE, M.D., kand. med. nauk; DUHAYEVSKIY, L.I., duts.,
prof.; LOPATKIN, N.A., dots.; POMERANTSEV, A.A., dots.;
PYTEL', A.Ya., prof.; RIKHTER, G.A., prof.; RUSANOV, A.A.,
prof.; SMIRNOV, A.V., prof.; SYROVATKO, F.A., prof.; EPSHTEYN, I.M.,
prof.; PETROVSKIY, B.V., prof., otv. red.; BAKULEV, A.N.,
akademik, red.; GULYAYEV, A.V., prof.; YEGOROV, B.G., prof.,
red.; KUPRIYANOV, P.A., prof., red.; PANKRAT'YEV, B.Ye., prof.,
red.; FILATOV, A.N., prof., red.; CHAKLIN, V.D., prof., red.
GORELIK, S.L., red.; GABERLAND, M.I., tekhn. red.

[Multivolume manual on surgery] Mnogotomnoe rukovodstvo po
khirurgii. Moskva, Gos. izd-vo med. lit-ry. Vol.9. [Surgey
of the urinary and genital organs and the retroperitoneal
space] Khirurgiia mochevykh i polovykh organov i zabriushin-
nogo prostranstva. 1959. 630 p.   (MIRA 15:4)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for
Petrovskiy, Yegorov, Kupriyanov).
                    (RETROPERITONEAL SPACE--SURGERY)
                    (GENITOURINARY ORGANS--SURGERY)

TSULUKIDZE, A.P., prof. (Tbilisi)

"Malignant tumors of the urinary bladder and their treatment"
by G.A. Rikhter. Reviewed by A.P. TSulukidze. Urologiia 25
no.1:80-81 Ja-F '60.   (MIRA 15:6)

(BLADDER--CANCER)
(RIKHTER, G.A.)

TARKHANOV, I.R.[deceased]; SAAKASHVILI, M.G., prof.; GEDEVANISHVILI,
D.M., prof., zasl. deyatel' nauki, otv. red.; ASATIANI, V.S.,
red.; ZHGENTI, V.K., red.; ZURABASHVILI, A.D., red.;
KAVTARADZE, P.P., red.; ERISTAVI, K.D., akademik, prof., red.;
TSULUKIDZE, A.P., red.; TATISHVILI, I.Ya., red.; KUTATELADZE,
I.G., red.; VANIDZE, TS.V., red. izd-va; KHUNDADZE, Z., tekhn.
red.

[Selected writings] Izbrannye sochineniia. Tbilisi, Gos. izd-vo
"Sabchota Sakartvelo," 1961. 393 p.   (MIRA 15:6)

1. Chlen-korrespondent Akademii nauk Gruzinskoy SSR (for
Gedevanishvili). 2. Akademiya nauk Gruzinskoy SSR (for Eristavi).
(Physiology)

TSULUKIDZE, A. P.; MURVANIDZE, D. D.; IVASHENKO, G. M.; DVALI, R. F.
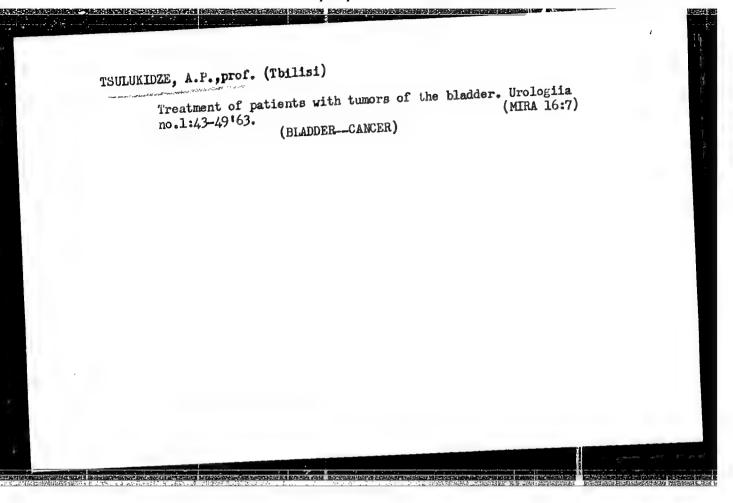
Further modification in the formation of the "urinary bladder" around a temporary endoprosthesis made of plastic. Urologiia no.6:28-29 '61.   (MIRA 15:4)

1. Iz Instituta urologii (dir. - zasluzhennyy deyatel' nauki, akad. A. P. TSulukidze) AN Gruzinskoy SSR.

(BLADDER—SURGERY)   (PLASTICS IN MEDICINE)

TSULUKIDZE, A.P.; MURVANIDZE, D.D.; DVALI, R.F.; IVASHCHENKO, G.M.

Formation of a plastic reservoir for urine following total cystectomy. Urologiia 26 no.1:46-51 '61. (MIRA 14:3)
(BLADDER—SURGERY) (ACRYLIC ACID)

TSULUKIDZE, A.P.,prof. (Tbilisi)

Treatment of patients with tumors of the bladder. Urologiia
(MIRA 16:7)
no.1:43-49'63.   (BLADDER—CANCER)

NIKOBADZE, I.I.; TATISHVILI, Ir.Ya.; KURCHISHVILI, I.B.;
ZHGENTI, V.K., akademik, red.; ZURABASHVILI, A.D.,
akademik, red.; KAVTARADZE, P.P., akademik, red.;
TSULUKIDZE, A.P., akademik, red.; ERISTAVIK K.D.,
akademik, red.; CHITAYA, G.S., red.; KHUNDADZE, G.R.,
zasl. deyatel' nauki, prof., red.; MESKHIA, Sh.A.,
prof., red.

[Basic stages of the development of medicine in Georgia]
Osnovnye etapy razvitiia meditsiny v Gruzii. Tbilisi,
Izd-vo "Metsniereba," 1964. 286 p.   (MIRA 17:12)

1. Akademiya nauk Gruzinskoy SSR (for Zhgenti, Zurabashvili,
Kavtaradze, TSulukidze, Eristavi). 2. Chlen-korrespondent
AN Gruzinskoy SSR (for Chitaya, Khundadze, Meskhia).

TSULUKIDZE, Grigorii Antonovich.

Metody podzemnoi razrabotki mestorozhdenii poleznykh iskopaemykh. Methods of mining mineral resources. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1948. 684 p. (50-34389)

TN145.T8   WaU

1. Mining engineering.

                                        75916

TSULUKIDZE, G. A.

Tsulukidze, G. A. "The arrangement of covering materials in working the maranese lava overburden in the Chiatury", in the collection entitled: Voprosy gornoro dela, Moscow, 1948, p.213-24.

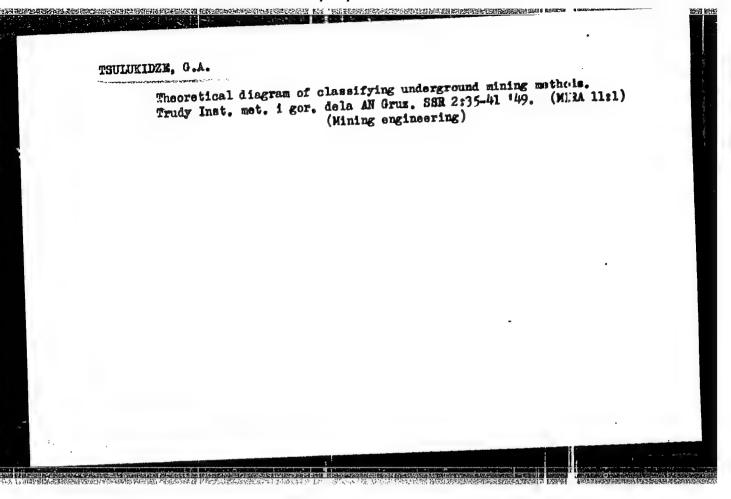SO: U-2888, 12 Feb. 53, (Letopis' Zhurnal 'nykh Statey, No. 2, 1949).

TSULUKIDZE, G. A.

Tsulukidze, G. A. - "The aspects in the utilization of wooden protable studdles in stopes," A commemorative collection of transactions dedicated to the 25th anniversary of the Institute, (Gruz. po.itekhn. in-t im. Kirova, No 17), Tbilisi, 1948, p. 351-62, (Resume in Georgian)

SO: U-5240, 17, Dec. 53, (Letopis 'Zhurnal 'nykh Statey, No. 25, 1949).

TSULUKIDZE, G. A.

Tsulukidze, G. A. - "Anew overhead method of mining steep coal beds with hydraulic backing," A commemorative collection of transactions dedicated to the 25th anniversary of the Institute, (Gruz. politekhn. in-t im. Kirova, No 17), Tbilisi, 1948, p. 363-73, (Resume in Georgian)

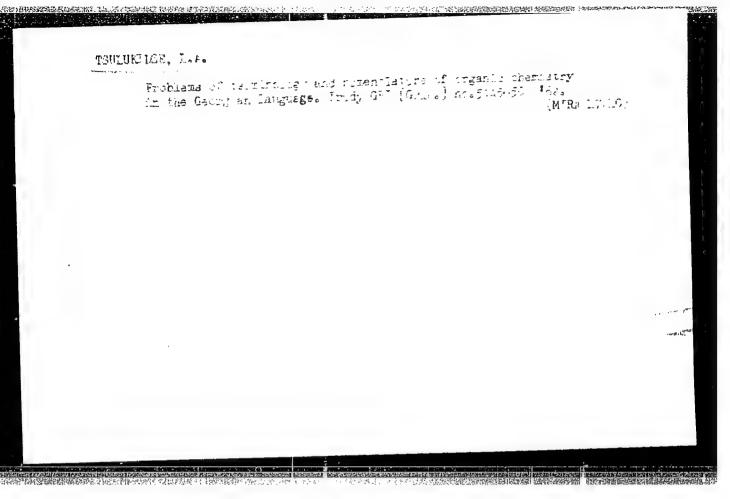SO: U-5240, 17, Dec. 53, (Letopis 'Zhurnal 'nykh Statey, No. 25, 1949).

TSULUKIDZE, G.A.

Theoretical diagram of classifying underground mining methods.
Trudy Inst. met. i gor. dela AN Gruz. SSR 2:35-41 '49. (MLRA 11:1)
(Mining engineering)

TSHUKIDZE, G. A. Dr., Prof

LC

USSR/Mining Methods   Apr 49

"Classification of Mining Systems," Dr G. A. Tsukidze, Prof, Active Mem, Acad Sci Georgian SSR; ... M. Alavekiy, P. I. Gorodetskiy, M. A. Korobko, Ye. Ya. Makhno, N. N. Polyakov, Co-Workers of Chair of Ore Mining, Leningrad Mining Inst; V. T. Merkelov, P. M. Vol'fson, A. G. Barlas, Mining Engineers; L. I. Baron, V. N. Semevskiy, Candidates Tech Sci, 7 pp

"Gor Zhur" No 4

Proposed classification has two main divisions: mining mildly slanting deposits of small and

LC

USSR/Mining Methods (Contd)   Apr 49

average width, and mining steeply slanting deposits of any width and large deposits with mildly slanting walls. First division is divided into: solid, pillar, and room-pillar. Second has two main subdivisions (containing a more detailed breakdown): Mining is done with-out collapsing leaning rocks in early stages of extraction, and mining is done with collapsing of leaning rocks in early stages of extraction.
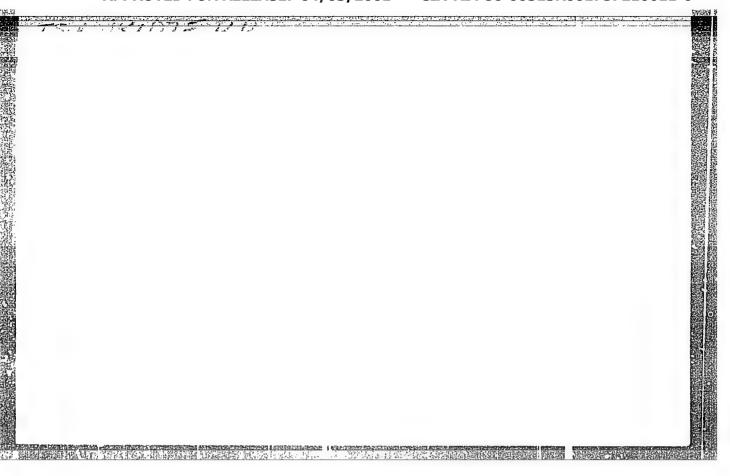
41/49T88

41/49T88

TSULUKIDZE, Grigorii Antonovich.

Classifications of mining methods used in the USSR. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1950. 70 p. (51-17887)

TN153.T76

TSULUKIDZE, L.A.

Problems of terminology and nomenclature of organic chemistry
in the Georgian language. Trudy GPI (Gruz.) no.5:49-50 '62.
(MIRA 17:10)

TSULUKIDZE, P.P.

30282....

Malonapryazhyennyy byecn v gidroyyekhnichyeskikh so·r. hyeni akh. Truiy IV Vsyeucyu... konf-tsi
Po byetonu i - zhyelyezobye - ton konstruktsiyam. Ch. 3 M.-L., 1949 s. 161 - 165

SO: LETOPIS' No. 34

TSULUKIDZE, P.P., kandidat tekhnicheskikh nauk.

Lightweight concrete in hydraulic engineering construction. Gidr. stroi. 25 no.11:8-11 D '56.   (MIRA 10:1)

(Lightweight concrete)

AUTHOR: Tsulukidze, P.P., Engineer   SOV-96-58-9-5/21

TITLE: The Question of Uniformity of Concrete (K voprosu odnorod-
               nosti betona)

PERIODICAL: Gidrotekhnicheskoye stroitel'stvo, 1958, Nr 9, pp 18 - 20
               (USSR)

ABSTRACT: The properties of concrete depend on the quartity and qual-
               ity of its components. Tests made at various hydraulic
               constructions in the Union showed that the strength of con-
               crete varied within the limits of 15 - 20% or even more.
               In the Zakavkazskoye metallurgicheskoye stroitel'stvo
               (Transcaucasian Metallurgical Construction), of 1286 con-
               trolling tests made in 8 months, 580 did not correspond
               to the planned results. The author finds that these var-
               iations are caused by defective operating methods current-
               ly used in the cement plants. The present weighing method
               does not guarantee the constancy of the volumetric corre-
               lation of components of the concrete. When this component
               has a low volumetric weight, a larger quantity of cement-
               water mixture is required, and the volumetric weight of
               the concrete decreases. This weight increases when the
Card 1/2   component has a higher volumetric weight. To obtain uni-

The Question of Uniformity of Concrete   SOV-98-5 -9-5/21

formity of the concrete, the author proposes the method
of double dosage (weighing and measuring of the volume of
both the cement mixture and of the components before mix-
ing). The author proposes a detailed scheme for prepara-
tion of concrete, which will guarantee its uniformity.
There are 3 tables and 1 diagram.

1. Concrete--Properties   2. Concrete--Standards   3. Concrete
--Preparation

Card 2/2

SOV/98-58-11-12/15

AUTHORS: Tsulukidze, P.P., Candidate of Technical Sciences and Bala-
            vadze, V.K., Engineer

TITLE: On the Problem of Strength and Expansibility of Old Con-
            crete Parts of Operating Hydroelectric Power Plants (K vo-
            prosu o prochnosti i rastyazhimosti starykh betonov dey-
            stvuyushchikh sooruzheniy ges)

PERIODICAL: Gidrotekhnicheskoye stroitel'stvo, 1958, Nr 11, ‡p 57-60 (USSR)

ABSTRACT: Experiments made by the authors at TNISGEI have shown that
            the strength and maximum expansibility of old concrete
            from the working parts of a hydroelectrical power plant
            increase with the age of this concrete (Table on page 58).
            The expansibility of the concrete increases in conformance
            with the following logarithmical law:

$$\varepsilon_p^t = 0{,}69\,\varepsilon_p^{28}\,\lg t$$

Card 1/2

SOV/98-58-11-12/15

On the Problem of Strength and Expansibility of Old Concrete Parts of
Operating Hydroelectric Power Plants

where t is the age of the concrete in days and $\mathcal{E}_p$ = repre-
sents a sum of 2 components: limiting elastico-plastic
stretch deformation and limiting purely plastic expansibi-
lity. There are 2 tables, 2 diagrams, 2 graphs and 8 re-
ferences, 7 of which are Soviet and 1 American.

1. Concrete—Mechanical properties

Card 2/2

TSULUKIDZE, Petr Platonovich; VAYNSHTEYN, G.M., inzh., red.; LEVCHIK,
L.P., red.; LEBEDEVA, L.V., tekhn. red.

[Quality control of concrete work in construction of the arch
dam of the Ladzhanuri Hydroelectric Power Station]Kontrol' ka-
chestva betonnykh rabot pri sooruzhenii arochnoi plotiny Lad-
zhanurskoi GES. Moskva, Orgenergostroi, 1962. 52 p.
(MIRA 15:12)

1. Vsesoyuznyy institut po proyektirovaniyu organizatsii energe-
ticheskogo stroitel'stva "Orgenergostroi".
(Ladzhanuri Hydroelectric Power Station—Dams)
(Ladzhanuri Hydroelectric Power Station—Concrete construction)

TSULUKIDZE, P.P., kand.tekhn.nauk

Studying concrete in a structure by means of ultrasonic waves.
Gidr. stroi. 32 no.1C:33-35 0 '61.   (MIRA 14:10)
                    (Concrete construction--Testing)
            (Ultrasonic waves--Industrial applications)

TSULUKIDZE, L. A.

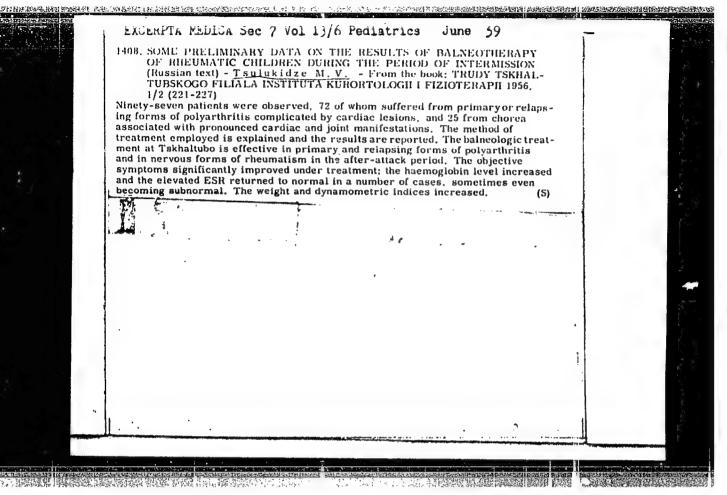GIOSHVILI, V.D.; TSULUKIDZE, L.A., kand. khim. nauk.
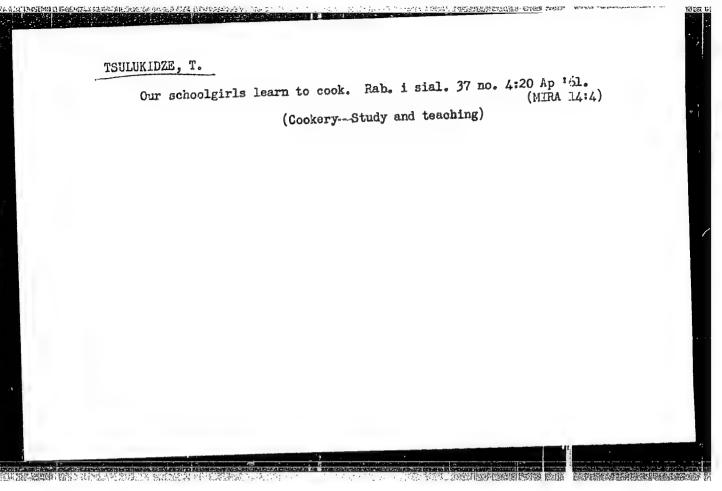
Oil from tomato seeds. Masl.-zhir. prom. 24 no.2:6-7 '58.
(MIRA 11:3)

1. Gruzinskiy politekhnicheskiy institut imeni S.M. Kirova.
(Tomatoes)   (Oils and fats, Edible)

1408. SOME PRELIMINARY DATA ON THE RESULTS OF BALNEOTHERAPY
OF RHEUMATIC CHILDREN DURING THE PERIOD OF INTERMISSION
(Russian text) - Tsulukidze M. V. - From the book: TRUDY TSKHAL-
TUBSKOGO FILIALA INSTITUTA KURORTOLOGII I FIZIOTERAPII 1956,
1/2 (221-227)

Ninety-seven patients were observed, 72 of whom suffered from primary or relaps-
ing forms of polyarthritis complicated by cardiac lesions, and 25 from chorea
associated with pronounced cardiac and joint manifestations. The method of
treatment employed is explained and the results are reported. The balneologic treat-
ment at Tskhaltubo is effective in primary and relapsing forms of polyarthritis
and in nervous forms of rheumatism in the after-attack period. The objective
symptoms significantly improved under treatment: the haemoglobin level increased
and the elevated ESR returned to normal in a number of cases, sometimes even
becoming subnormal. The weight and dynamometric indices increased.   (S)

TSULUKIDZE, Tamara

A physician's warm heart and skilled hands. Rab.i sial. 38
no.12:8-9 D '62.   (MIRA 16:1)

(WOMEN AS PHYSICIANS)

TSULUKIDZE, T.

Our schoolgirls learn to cook. Rab. i sial. 37 no. 4:20 Ap '61.
(MIRA 14:4)

(Cookery--Study and teaching)

TSULUKIDZE, Tamara, zasluzhennaya artiskta GruzSSR.

Actors of an amateur theater. Rab. i sial. 35 no.9:8-9 S '59.
(MIRA 12:12)

(Slonim--Amateur theatricals)

TSUMAN, V.G., kand. med. nauk; ROMANOV, D.F.

Intravital diagnosis of isolated hypoplasia of the pulmonary
artery. Vest. rent. i rad. 40 no.3:33-35 My-Je '65.

(MIRA 18:7)

1. 1-ya khirurgicheskaya klinika (zav. - prof. N.I. Makhov) i
rentgenologicheskiy otdel (zav. - prof. V.I. Petrov) Moskovskogo
oblastnogo nauchno-issledovatel'skogo klinicheskogo instituta
imeni Vladimirskogo.

TSUMAN, V.G.

Symptom of reduction of the vascular pattern in angiopulmograms
in primary cancer and chronic nonspecific inflammatory processes
in the lungs. Khirurgiia 36 no.3:81-85 Mr '60.   (MIRA 13:12)
    (LUNGS--DISEASES)   (ANGIOGRAPHY)

TSUMAN, V.G.

Implantation of lyophilized homologous bone and plaster of paris
in parotid insufficiency. Probl. endok., 1 gorm 4 no.3:109-110
My-Je '58   (MIRA 11:8)

1. Iz 1-y khirurgicheskoy kliniki (zav. - dotsent N.I. Makhov)
Moskovskogo oblastnogo nauchno-issledovatel'skogo klinicheskogo
instituta imeni M.F. Vladimirskogo (dir. - kand.med.nauk P.M. Leonenko).
            (PAROTID GLANDS, surgery,
                lyophilized homologous bone & plaster of paris implants
                (Rus))
            (BONE, & BONES, transpl.
                parotid implant of lyophilized homologous bone (Rus))
            (PLASTER OF PARIS,
                parotid implant (Rus))

MUROMSKIY, Yu.A., TSUMAN, V.G.

The acute abdomen syndrome in cases of traumatic retroperitoneal hemorrhage [with summary in English]. Khirurgiia 34 no.7:49-57 Jl '58   (MIRA 11:9)

1. Iz 1 khirurgicheskogo kliniki (zav. - dots. N.I. Makhov) Moskovskogo oblastnogo nauchno-issledovatel'skogo klinicheskogo instituta imeni M.F. Vladimirskogo (dir. P.M. Leonenko).
        (ABDOMEN, ACUTE, etilogy & pathogenesis
            traum. retroperitoneal hemorrh. (Rus))
        (RETROPERITONEAL SPACE, hemorrhage
            caused by trauma & causing acute abdom. (Rus))

TSUMAN, V. G., Cand. Medic. Sci. (diss) "Arteriopulmonography
and its X-ray-anatomical Basis for Chronic Nonspecific Inflam-
matory Processes and Primary Cancer of Lungs," Moscow, 1961,
30 pp. (Moscow Med.-Stomatological Inst.) 250 copies (KL Supp
12-61, 289).

TSUMAN, V.G.

Primary cancer of a bronchial stump following pneumonectomy
due to tuberculosis. Trudy mol. nauch. sotr. MONIKI no.1:
18-21 '59   (MIRA 16:11)

Roentgenoanatomic substantiation of radiography of the pulmonary
artery.   Ibid.:22-28

Clinical use of arteriography.   Ibid:47-49

1.Iz 1-y khirurgicheskoy kliniki (zav. dotsent N.I.Makhov)
Moskovskogo oblastnogo nauchno-issledovatel'skogo kliniches-
kogo instituta imeni Vladimirskogo.

*

TSUMAN, V.G.

      Penicillin in the treatment of malignant anthrax. Khirurgiia
      Supplement:57 '57.   (MIRA 11:4)

      1. N.-Kalitvyanskaya rayonnaya bol'nitsa Voronezhskoy oblasti.
           (PENICILLIN)   (ANTHRAX)

GRIGORYAN, A.V.; TSUMAN, V.G.; VOL'-EPSHTEYN, G.L.

Differential diagnosis of chronic indurative pneumonia and
bronchogenic lung cancer. Grud.khir. 3 no.6:72-76 N-D '61.
(MIRA 15:3)

1. Iz kliniki obshchey khirurgii lechebnogo fakul'teta (zav.
kafedroy - prof. V.I. Struchkov) I Moskovskogo meditsinskogc
instituta.
(PNEUMONIA)   (LUNGS—CANCER)

TSUMAN, V.G.

Some methodological and technical aspects of angiopneumography.
Grud. khir. 2 no.3:59-62 My-Je '62.   (MIRA 15:3)

1. Iz kafedry obshchey khirurgii (zav. - prof. V.I. Strushkov)
I Moskovskogo ordena Lenina meditsinskogo instituta i 1-y khirurgi-
cheskoy kliniki (zav. - dotsent N.I. Makhov) i Moskovskogo oblastnogo
nauchno-issledovatel'skogo klinicheskogo instituta. Adres avtora:
Moskva, 3-ya Meshchanskaya, d.61/2, Moskovskiy oblastnoy nauchno-
issledovatel'skiy klinicheskiy institut, 1-ya Khirurgicheskaya
klinika.
                    (LUNGS--RADIOGRAPHY)

TSUMAN, V.G.

Technique for in vivo contrast X-rays of the vessels of the extremities.
Vop. klin. pat. no.3:121-127 '61.   (MIRA 14:12)

1. Iz 1-y Khirurgicheskoy kliniki (zaveduyushchiy dotsent N.I.
Makhov) Moskovskogo oblastnogo nauchno-issledovatel'skogo instituta
imeni M.V.Vladimirskogo.
          (EXTREMITIES (ANATOMY)_RADIOGRAPHY)   (ANGIOGRAPHY)